



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

June 1, 1993

Michael O. Leavitt
Governor

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Executive Director

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State Engineer

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Mr. E. J. Skeen
536 East 400 South
Salt Lake City, Utah 84102

Dear Mr. Skeen:

In response to your letter of May 20th., regarding the winter water right of the Carbon Canal Company evidenced by Application No. 1036, a-494, a-1189, and a-4090 (Water Right No. 91-3).

The Proposed Determination of Water Rights for the Price River lists 91-366 and 91-764 as water rights which are supplemental to 91-3 for stock watering use. These rights are decreed water rights which are owned by the Carbon Canal Co. and which are diverted at the same point of diversion as 91-3. The Proposed Determination lists 91-176 as a supplemental right to 91-3 for domestic use. This right is in the name of the Price River Water Improvement District.

The quantities for the volume of winter use (184.56 acre feet and .51 cfs) were calculated as follows:

Stock watering total yearly diversion	=	271.60 a.f. *
Domestic total yearly diversion	=	<u>98.28 a.f. *</u>
Total	=	369.88 a.f.

Period of use for winter domestic and stock water is October 1 to March 31 * which is equal to 182 days.

The quantity 184.56 a.f. is the proportion of the total yearly domestic and stock water which is allotted to the period October 1 to March 31.

$$(182 / 365) \times 369.88 = 184.56$$

(*) This data is taken from the Proposed Determination.

The flow .51 cfs is the flow rate which would supply 369.88 a.f. over a 365 day period or 184.56 a.f. over a 182 day period.

$$(369.88 \text{ a.f.} / 365 \text{ days}) \times (1 \text{ cfs} / (2 \text{ a.f./day})) = .51 \text{ cfs}$$



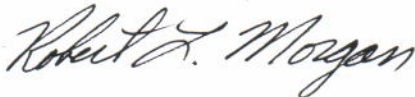
Mr. A. Skeen

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The flow measurements taken by the Price River Commissioner for the Carbon Canal are made at the canal's measuring device near the golf course. The 13.4 cfs flow was calculated as an average of the flows reported by the commissioner for the period October 1 to March 31 for the years 1971 to 1989.

I trust this information will be helpful to you. If you should require additional information or should have any questions concerning this information, do not hesitate to contact either Lee Sim at (801) 538-7380 or Mark Page at (801) 637-1303.

Sincerely,



Robert L. Morgan, P.E.
State Engineer

RLM:ls

cc: Lee Sim
Mark Page
Jack Chiaretta
Lyle Bryner
Richard Lee